

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
1 September 2005 (01.09.2005)

PCT

(10) International Publication Number
WO 2005/080135 A1

(51) International Patent Classification⁷: **B60R 1/00**,
11/02, 16/02, 21/00, B60K 35/00

YAMAMOTO, Takeshi. MIAKE, Aki. OKUDA,
Mitsukazu. DOI, Takeshi.

(21) International Application Number:
PCT/JP2005/003088

(74) Agent: **HARAKENZO WORLD PATENT & TRADE-**
MARK; Daiwa Minamimorimachi Building, 2-6, Tenjin-
bashi 2-chome Kita, Kita-ku, Osaka-shi, Osaka 5300041
(JP).

(22) International Filing Date: 18 February 2005 (18.02.2005)

(25) Filing Language: English

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(26) Publication Language: English

(30) Priority Data:
2004-045469 20 February 2004 (20.02.2004) JP

(71) Applicant (for all designated States except US): **SHARP**
KABUSHIKI KAISHA [JP/JP]; 22-22, Nagaike-cho,
Abeno-ku, Osaka-shi, Osaka 5458522 (JP).

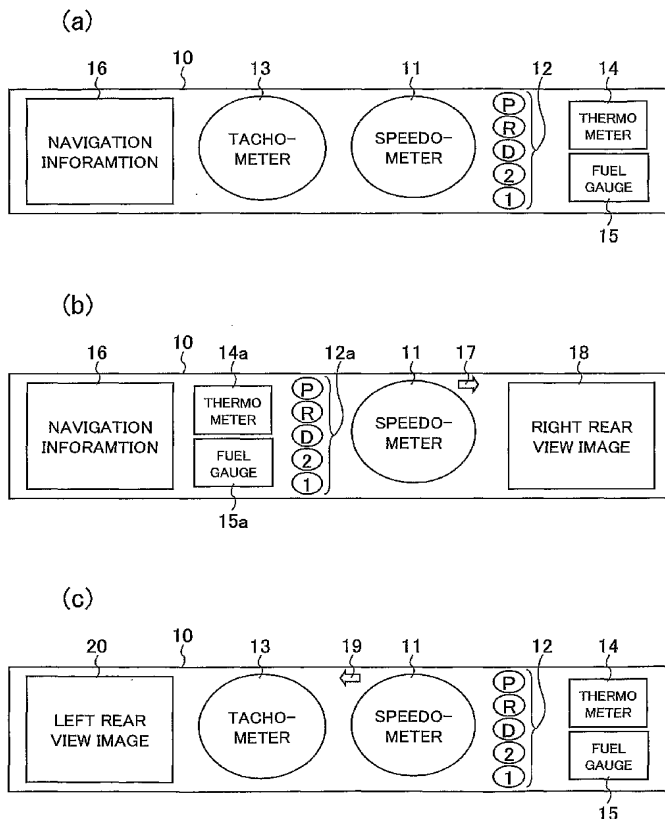
(72) Inventors; and

(75) Inventors/Applicants (for US only): **NOHNO, Hi-**
toshi. ITOH, Megumi. TAKAHASHI, Toshiya.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,

[Continued on next page]

(54) Title: ONBOARD DISPLAY DEVICE, VEHICLE, DISPLAY METHOD, IMAGE DISPLAY PROGRAM, AND RECORD-
ING MEDIUM



(57) Abstract: screen (10) is disposed so that a
speedometer (11) shown in Fig. 1(a) comes in front of
a driver. When a right-turn instruction is detected, as
illustrated in Fig. 1(b), a winker (17) is displayed and
a rightward rear view image (18) is displayed on the
right side of the screen (10). When a left-turn instruc-
tion is detected, as illustrated in Fig. 1(c), a winker (19)
is displayed and a leftward rear view image (20) is
displayed on the left side of the screen (10). Displays
in different positions according to the right and the left
facilitates an intuitive grasp of a meaning of the image
and makes it easier to drive an automobile. That is,
a display device mounted on the automobile securely
makes it easier to drive the automobile.

WO 2005/080135 A1



GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.